We claim:

1. An isolated nucleic acid that encodes SEQ ID NO:4 or SEQ ID NO:6.

2. The isolated nucleic acid of claim 1 comprising SEQ ID NO: 3.

3. The isolated nucleic acid of claim 1 comprising SEQ ID NO: 5.

4. A transgenic monocot cell having a genome comprising a nucleic acid sequence that encodes a protein of SEQ ID NO:4 or SEQ ID NO:6.

5. A transgenic dicot cell having a genome comprising a nucleic acid sequence that encodes a protein of SEQ ID NO:4 or SEQ ID NO:6.

6. A transgenic plant with a genome comprising a nucleic acid nucleic acid sequence that encodes a protein of SEQ ID NO:4 or SEQ ID NO:6..

7. A transgenic plant of claim 6 wherein the plant is rice.

8. A transgenic plant of claim 6 wherein the plant is maize.

9. A transgenic plant of claim 6 wherein the plant is tobacco.

10. A transgenic plant of claim 6 wherein the plant is cotton.

11. Seed of a transgenic plant of claim 6.

12. Progeny of seed of claim 11.

13. In a method of producing Toxin A of *Photorhabdus luminescens* W-14 in a heterologous host the improvement comprising expressing in said host DNA that encodes the proteins of SEQ ID NO:4 and SEQ ID NO: 6.

14. A method of producing an orally active insect toxin which comprises expressing DNA that encodes the protein of SEQ ID NO:4 in a heterologous host that also

expresses a protein of SEQ ID NO: 2 and a protein of SEQ ID NO: 6.

15. A method of producing an orally active insect toxin which comprises expressing DNA that encodes the protein of SEQ ID NO:6 in a heterologous host that also expresses a protein of SEQ ID NO: 2 and a protein of SEQ ID NO: 4.

16. In a method of producing Toxin B of *Photorhabdus luminescens* W-14 in a heterologous host the improvement comprising expressing in said host DNA that encodes the proteins of SEQ ID NO:4 and SEQ ID NO: 6.

17. A method of producing an orally active insect toxin which comprises expressing DNA that encodes the protein of SEQ ID NO:4 in a heterologous host that also expresses a protein of SEQ ID NO: 6 and a protein of SEQ ID NO: 8.

18. A method of producing an orally active insect toxin which comprises expressing DNA that encodes the protein of SEQ ID NO:6 in a heterologous host that also expresses a protein of SEQ ID NO: 4 and a protein of SEQ ID NO: 8.